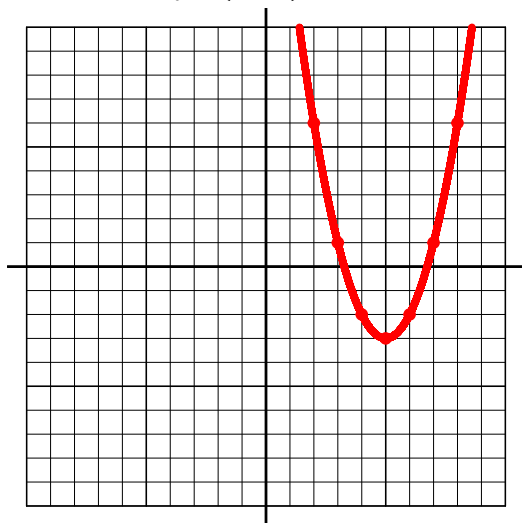Name: _____   Date: _____

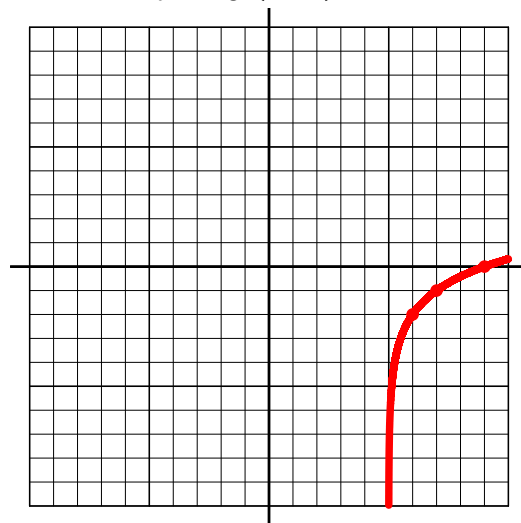# PCW_09_29 SOLUTION: Graph Parent Translations (version 11)

Graph each equation. Let the y axis be vertical and the x axis be horizontal. Also, let both axes be at unit scale, so each goes from -10 to 10.

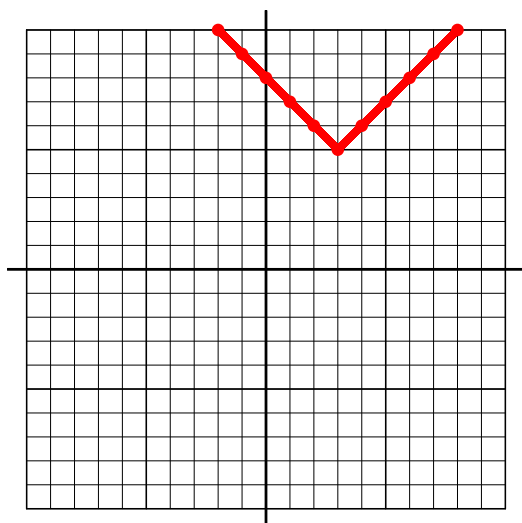Clearly mark every solution where x and y are both integers with a small dot along the curve.
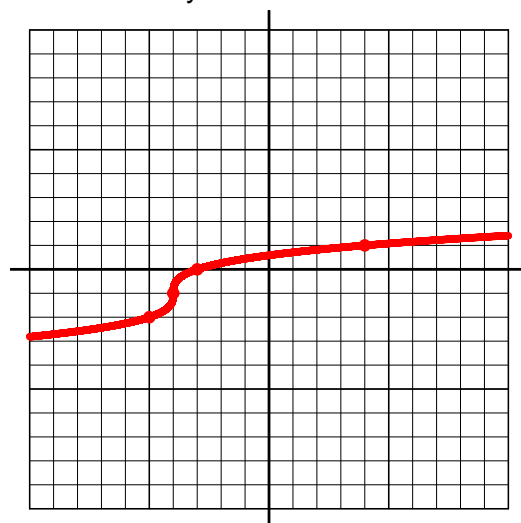
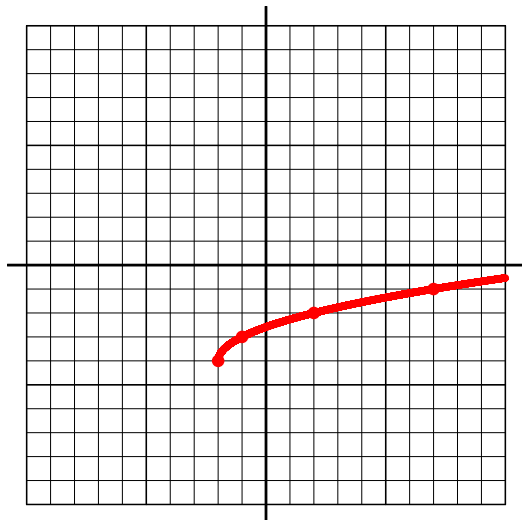$$y = (x-5)^2 - 3$$

$$y = \log_2(x-5) - 2$$

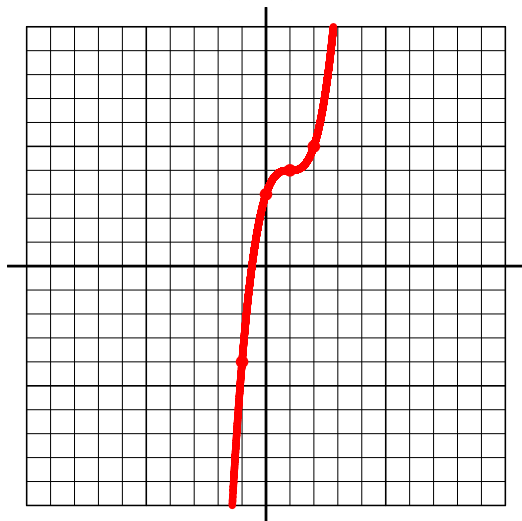$$y = |x-3| + 5$$

$$y = \sqrt[3]{x+4} - 1$$

$$y = \sqrt{x+2} - 4$$

$$y = 2^{x+2} + 1$$

$$y = (x-1)^3 + 4$$

$$y = \frac{1}{x-5} + 1$$